


		NTSB ID: DEN02LA096		Aircraft Registration Number: N9791P	
		Occurrence Date: 08/16/2002		Most Critical Injury: Minor	
		Occurrence Type: Accident		Investigated By: NTSB	
Location/Time					
Nearest City/Place Boulder	State CO	Zip Code 80329	Local Time 1340	Time Zone MDT	
Airport Proximity: Off Airport/Airstrip		Distance From Landing Facility:		Direction From Airport:	
Aircraft Information Summary					
Aircraft Manufacturer Piper		Model/Series PA-25-235		Type of Aircraft Airplane	
Sightseeing Flight:			Air Medical Transport Flight:		
Narrative					
<p>Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:</p> <p>On August 16, 2002, at approximately 1340 mountain daylight time, a Piper PA-25-235, N9791P, was destroyed during a forced landing following a loss of engine power near Boulder, Colorado. The commercial pilot, the sole occupant of the airplane, received minor injuries. Mile High Gliding Inc. was operating the airplane under Title 14 CFR Part 91. Visual meteorological conditions prevailed for the glider-towing local flight which originated from Boulder Municipal Airport approximately 30 minutes before the accident. The pilot had not filed a flight plan.</p> <p>The pilot said that he checked his flight time and fuel gauges (including fuel low level indicator light) before takeoff. He said that while towing a glider, he experienced fuel exhaustion. The pilot said he performed a forced landing to an open field, but the wind changed from a estimated 15 to 20 knots to no wind situation when he got close to the ground. He said that the airplane stalled from about 8 or 10 feet, hit the ground, and nosed over. The engine was crushed back, and the left wing was separated from the fuselage.</p> <p>The density altitude was calculated to be 11,361 feet.</p>					
FACTUAL REPORT - AVIATION					

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Landing Facility/Approach Information					
Airport Name	Airport ID:	Airport Elevation Ft. MSL	Runway Used	Runway Length	Runway Width
Runway Surface Type: Unknown					
Runway Surface Condition: Unknown					
Type Instrument Approach: Unknown					
VFR Approach/Landing: Forced Landing					
Aircraft Information					
Aircraft Manufacturer Piper		Model/Series PA-25-235		Serial Number PA-25-235	
Airworthiness Certificate(s): Restricted (Special)					
Landing Gear Type: Tailwheel					
Homebuilt Aircraft? No	Number of Seats: 1	Certified Max Gross Wt.	2900 LBS	Number of Engines: 1	
Engine Type: Reciprocating	Engine Manufacturer: Lycoming	Model/Series: O-540-GIAS	Rated Power: 260 HP		
- Aircraft Inspection Information					
Type of Last Inspection Annual	Date of Last Inspection 07/2002	Time Since Last Inspection 98 Hours	Airframe Total Time 9478 Hours		
- Emergency Locator Transmitter (ELT) Information					
ELT Installed? Yes	ELT Operated? No	ELT Aided in Locating Accident Site? No			
Owner/Operator Information					
Registered Aircraft Owner Mile High Gliding Inc.		Street Address 5534 Independence Rd.			
		City Boulder	State CO	Zip Code 80301	
Operator of Aircraft Same as Reg'd Aircraft Owner		Street Address Same as Reg'd Aircraft Owner			
		City	State	Zip Code	
Operator Does Business As:			Operator Designator Code:		
- Type of U.S. Certificate(s) Held: None					
Air Carrier Operating Certificate(s):					
Operating Certificate:			Operator Certificate:		
Regulation Flight Conducted Under: Part 91: General Aviation					
Type of Flight Operation Conducted: Other Work Use					
<div style="text-align: center;">FACTUAL REPORT - AVIATION</div> <div style="text-align: right;">Page 2</div>					

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First Pilot Information																																																																																						
Name			City		State	Date of Birth	Age																																																																															
On File			On File		On File	On File	38																																																																															
Sex: M	Seat Occupied: Center		Principal Profession: Civilian Pilot			Certificate Number: On File																																																																																
Certificate(s): Flight Instructor; Commercial																																																																																						
Airplane Rating(s): Multi-engine Land; Single-engine Land																																																																																						
Rotorcraft/Glider/LTA: None																																																																																						
Instrument Rating(s): Airplane																																																																																						
Instructor Rating(s): Airplane Multi-engine; Instrument Airplane																																																																																						
Type Rating/Endorsement for Accident/Incident Aircraft?					Current Biennial Flight Review? 12/2000																																																																																	
Medical Cert.: Class 1		Medical Cert. Status: Valid Medical--no waivers/lim.			Date of Last Medical Exam: 05/2002																																																																																	
<table border="1"> <tr> <th rowspan="2">- Flight Time Matrix</th> <th rowspan="2">All A/C</th> <th rowspan="2">This Make and Model</th> <th rowspan="2">Airplane Single Engine</th> <th rowspan="2">Airplane Multi-Engine</th> <th rowspan="2">Night</th> <th colspan="2">Instrument</th> <th rowspan="2">Rotorcraft</th> <th rowspan="2">Glider</th> <th rowspan="2">Lighter Than Air</th> </tr> <tr> <th>Actual</th> <th>Simulated</th> </tr> <tr> <td>Total Time</td> <td>1417</td> <td>228</td> <td>1311</td> <td>106</td> <td>74</td> <td>5</td> <td>63</td> <td></td> <td>3</td> <td></td> </tr> <tr> <td>Pilot In Command(PIC)</td> <td>1361</td> <td>228</td> <td>1274</td> <td>88</td> <td>70</td> <td>5</td> <td>34</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Instructor</td> <td>657</td> <td></td> <td>598</td> <td>59</td> <td>33</td> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 90 Days</td> <td>242</td> <td>197</td> <td>242</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 30 Days</td> <td>101</td> <td>79</td> <td>101</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 24 Hours</td> <td>3</td> <td>3</td> <td>3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>								- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Multi-Engine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air	Actual	Simulated	Total Time	1417	228	1311	106	74	5	63		3		Pilot In Command(PIC)	1361	228	1274	88	70	5	34				Instructor	657		598	59	33	3					Last 90 Days	242	197	242								Last 30 Days	101	79	101								Last 24 Hours	3	3	3							
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Seatbelt Used? Yes		Shoulder Harness Used? Yes			Toxicology Performed? No		Second Pilot?																																																																															
Flight Plan/Itinerary																																																																																						
Type of Flight Plan Filed: None																																																																																						
Departure Point		State		Airport Identifier		Departure Time		Time Zone																																																																														
Same as Accident/Incident Location				1V5		1310		MDT																																																																														
Destination		State		Airport Identifier																																																																																		
Local Flight																																																																																						
Type of Clearance: None																																																																																						
Type of Airspace: Class G																																																																																						
Weather Information																																																																																						
Source of Briefing: Unknown																																																																																						
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		Occurrence Type: Accident	

Weather Information					
WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
BJC	1348	MDT	5670 Ft. MSL	15 NM	90 Deg. Mag.
Sky/Lowest Cloud Condition: Few			7000 Ft. AGL	Condition of Light: Day	
Lowest Ceiling: None		Ft. AGL	Visibility: 50	SM	Altimeter: 29.96 "Hg
Temperature: 37 °C	Dew Point: 10 °C	Wind Direction: 230		Density Altitude: 11361 Ft.	
Wind Speed: 10	Gusts:	Weather Conditions at Accident Site: Visual Conditions			
Visibility (RVR): Ft.	Visibility (RVV)	SM	Intensity of Precipitation:		
Restrictions to Visibility: None					
Type of Precipitation: None					

Accident Information					
Aircraft Damage: Destroyed		Aircraft Fire: None		Aircraft Explosion: None	
Classification: U.S. Registered/U.S. Soil					
- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL
First Pilot			1		1
Second Pilot					
Student Pilot					
Flight Instructor					
Check Pilot					
Flight Engineer					
Cabin Attendants					
Other Crew					
Passengers					
- TOTAL ABOARD -			1		1
Other Ground					
- GRAND TOTAL -			1		1

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FACTUAL REPORT - AVIATION					
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Administrative Information		
Investigator-In-Charge (IIC) James F. Struhsaker		
Additional Persons Participating in This Accident/Incident Investigation: Bob Hofer Federal Aviation Administration Denver, CO 80249		
<div>FACTUAL REPORT - AVIATION</div> <div>Page 5</div>		